

Application Serial No.: 09/380,630
Reply to Office Action dated July 18, 2003

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method for marking materials using a marking material and a material to be marked consisting of a light transparent body or a laser transmittive body, comprising:

a first process of placing a surface of said material to be marked and a surface of said marking material together with a desired gap therebetween, vaporizing said marking material by irradiating through said material to be marked with a first laser beam while scanning with the first laser beam, and forming a film vaporized from said marking material onto a predetermined area of said material to be marked; and

a second process of removing a part of said film formed onto the surface of said material to be marked by irradiating the part of the film with a second laser beam while scanning with the second laser beam;

wherein patterns of characters, diagrams or symbols are formed in the film on said material to be marked by the second process; and

wherein said desired gap is between 2 μ m and 200 μ m.

2. (Previously Presented) A method for marking materials according to claim 1, wherein power of the first laser beam is greater per unit area than power of the second laser beam.

3-9. (Canceled)

3 10. (Previously Presented) A method for marking materials according to claim 1, wherein the deposited marking material is a thin film formed on the surface of the material to be marked having a thickness from 0.1 μ m to 2 μ m.

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11-14. (Canceled)

4 15. (Previously Presented) A method for marking materials according to claim 1, wherein one of the patterns formed is QR Code, Data Code, Veri Code, a two-dimensional code, or a bar code.

16-25. (Canceled)